

**Complete if Known**

*(Use as many sheets as necessary)*

Sheet	1	of	2
-------	---	----	---

Application Number	10/802,507
Filing Date	03/17/2004
First Named Inventor	Daan Veeningen
Art Unit	3676
Examiner Name	Zakiya W. Bates
Attorney Docket Number	94.0075

[illegible]

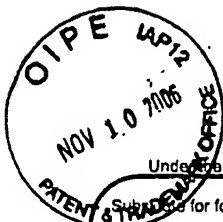
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
ZB		WO 03/072907 A1	04-09-2003	Schlumberger Sureenco SA.		
		GB 2 367 843 A	04-17-2002	Smith International, Inc.		
		GB 2 290 330 A	12-20-1995	Barold Technology, Inc.		
		EP 1 146 200 A1	10-17-2000	Schlumberger Holdings Ltd		

Examiner Signature	/Zakiya Bates/	Date Considered	02/16/2007
-----------------------	----------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**



PTO/SB/088 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/802,507		
		Filing Date	03/17/2004		
		First Named Inventor	Daan Veeningen		
		Art Unit	3676		
		Examiner Name	Zakiya W. Bates		
Sheet	2	of	2	Attorney Docket Number	94.0075

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ZB		BILGESU, H.I., ET AL., A New Approach for the Prediction of Rate of Penetration (ROP) Values, Society of Petroleum Engineers, Oct. 1997, pgs. 175-179, SPE 39231.	
		SINOR, A. and WARREN, T.M., Drag Bit Wear Model, SPE Drilling Engineering, June 1989, pgs. 128-136.	
		IRRANGANG, R., ET AL., A Case-Based System to Cut Drilling Costs, Society of Petroleum Engineers, Oct. 1999, pgs. 1-17, SPE 56504.	
		LUO, Y., ET AL., Flow-Rate Predictions for Cleaning Deviated Wells, IADC/SPE, Feb. 1992, pgs. 367-376, SPE 23884.	
		BOURGOYNE, JR., A., ET AL., Drilling Hydraulics, Applied Drilling Engineering, 1986, pgs. 113-189, First Printing, Society of Petroleum Engineers, Richardson, TX.	

Examiner Signature	/Zakiya Bates/	Date Considered	02/16/2007
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.